
IEEE P802.11
Wireless LANs

Comment Resolutions on Clause 26.3.12 Part 1

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Abstract

This submission proposes resolutions for multiple comments related to TGax D0.1 as follows:

- 852, 853, 948, 1786, 1872, 1873, 2126.

Revisions:

- Rev 0: Initial version of the document.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).

TGax Editor: Editing instructions preceded by "TGax Editor" are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.

CID	Clause Number	P.L	Comment	Proposed Change	Resolution
852	26.3.12.3	155.41	We can simply specify bit setting for DL (need to be aligned to field description in HE-SIG-A, e.g set to 0 for DL and 1 for UL).	Modify as "The UL/DL field in the HE-SIG-A shall be set 0"	Accepted: Proposed resolution accounts for the suggested change. TGax Editor to make the changes in accordance with resolution of CID 2002 shown in IEEE 802.11-16/610r0.
853	26.3.12.3.4	155.50	We can use the field of "SIGB Number of Symbols" in HE-SIG-A for indicate the number of MU-MIMO STAs in the case of SIGB compression field set to 1.	Specify the TBD as "SIGB Number of Symbols".	Accepted: Proposed resolution accounts for the suggested change. TGax Editor to make the changes shown in IEEE 802.11-16/615r1 under all headings that include CID 853.
948	26.3.12.4.2	156	Need clarification	What is "the common part" here? HE-SIG-A ?	Revised: Agree in principle with the comment. Proposed resolution accounts for the suggested change. TGax Editor to make the changes shown in IEEE 802.11-16/615r1 under all headings that include CID 948.
1786	26.3.12.4.6	157.41	What is actual RSSI? Isn't this just the receive power? RSSI is the measurement. So, shouldn't RSSI accuracy be relative to receive power?	Change to "The difference between RSSI and the received power."	Accepted: Proposed resolution accounts for the suggested change. TGax Editor to make the changes shown in IEEE 802.11-16/615r1 under all headings that include CID 1786.
1872	26.3.12.4.6	157.52	"10% point of CCDF of CFO errors in AWGN..." should mean "90% point of CCDF of CFO errors in AWGN..."	Substitute "10%" with "90%".	Rejected: The statement is accurate as is. Please note the CCDF and NOT CDF is considered in the statement.
1873	26.3.12.4.6	157.57	A STA transmitting an HE trigger-based PPDU which is deployed in outdoor NLOS environment should have better timing accuracy than +-0.4 us relative to the Trigger frame.	Substitute "+-0.4 us" with "+-0.2 us".	Rejected: Please provide contribution to justify the requested change.

2126	26.3.12.3.4	173.4 8	If the value of SIGB Compression field in HE-SIG-A is 1, there is no RU allocation signaling in HE-SIG-B common field.	When the value of SIG Compression field in HE-SIG-A is 1, the MU PPDU is limited to full bandwidth MU MIMO and there is no SIGB common field.	Accepted: Proposed resolution accounts for the suggested change. TGax Editor to make the changes shown in IEEE 802.11-16/615r1 under all headings that include CID 2126. Note the correct page number is 155.
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Changes to D0.1 related to CID 853:

26.3.12.3.4 Resource indication and STA self identification

TGax Editor: Change the lines 49 – 50 on page 155 as follows (#853):

The number of STAs in the MU-MIMO group is indicated in the ~~TBD~~ SIGB Number of Symbols field in HE-SIG-A.

Changes to D0.1 related to CID 948:

26.3.12.4.2 Resource indication and STA self identification

TGax Editor: Change the lines 38 – 41 on page 156 as follows (#948):

UL MU-MIMO transmissions are preceded by a Trigger frame from the AP. Similar as UL OFDMA cases, the Trigger frame indicates the transmitting STAs in the ~~common part~~ Common Info field about when to transmit the UL MU-MIMO PPDU, the duration of the payload, and packet extension.

Changes to D0.1 related to CID 1786:

26.3.12.4.6 Requirements for STAs transmitting HE trigger-based PPDU

TGax Editor: Change the lines 41 -42 under comments column in Table 26-35 as follows (#1786):

~~The~~ Difference between the actual RSSI and the measured RSSI received power

Changes to D0.1 related to CID 2126:

26.3.12.3.4 Resource indication and STA self indication

TGax Editor: Change the line 48 - 49 on page 155 as follows (#2126):

~~If the value of SIB Compression field in HE-SIG-A is 1, there is no RU allocation signalling in HE-SIG-B common field.~~
A full bandwidth MU MIMO transmission using HE MU PPDU format has a value of 1 for the SIGB Compression field in HE-SIG-A and there is no SIGB common field.

References:

1. IEEE P802.11axTM/D0.1, March 2016.